

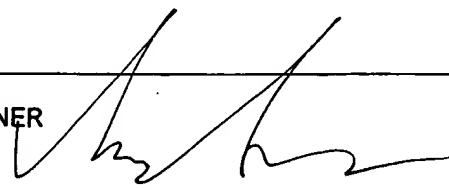
## Certificate of Express Mailing No. TB628505306US, dated July 24, 2001.

Form PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 94101503(GB)USD1 PDDD	SERIAL NO. Not Yet Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		APPLICANT Adrian P. Wise	07/24/01 JCS79 U 09/912216 PRO
(37 CFR 1.98(b))		FILING DATE HEREWITH	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	AA	3,893,042	7/1/75	Whitman et al.			
	AB	3,962,685	6/8/76	Belle Isle			
	AC	4,107,780	8/15/78	Grimsdale et al.			
	AD	4,142,205	2/27/79	Iinuma			
	AE	4,149,242	4/10/79	Pirz			
	AF	4,196,448	4/1/80	Whitehouse et al.			
	AG	4,215,369	7/29/80	Iijima			
	AH	4,302,775	11/24/81	Widergren et al.			
	AI	4,334,246	6/8/82	Saran			
	AJ	4,433,308	2/21/84	Hirata			
	AK	4,437,072	3/13/84	Asami			
	AL	4,442,503	4/10/84	Schutt et al			
	AM	4,495,629	1/22/85	Zasio et al.			
	AN	4,540,903	9/10/85	Cooke et al.			
	AO	4,580,066	4/1/86	Berndt			
	AP	4,630,198	12/16/86	Yuan			
↓	AQ	4,646,151	2/24/87	Welles II et al.			
	AR	4,679,163	7/7/87	Arnould et al.			

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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	AS	4,689,823	8/25/87	Wojcik et al.			
	AT	4,692,880	9/8/87	Merz et al.			
	AU	4,747,070	5/24/88	Trottier et al.			
	AV	4,785,349	11/15/88	Keith et al.			
	AW	4,789,927	12/6/88	Hannah			
	AX	4,799,056	1/17/89	Hattori et al.			
	AY	4,799,677	1/24/89	Frederiksen			
	AZ	4,807,028	2/21/89	Hatori et al.			
	BA	4,823,201	4/18/89				
	BB	4,829,465	5/9/89	Knauer et al.			
	BC	4,831,440	5/16/89	Borgers et al.			
	BD	4,831,441	5/16/89	Ando			
	BE	4,866,510	9/12/89	Goodfellow et al.			
	BF	4,866,637	9/12/89	Gonzalez-Lopez et al.			
	BG	4,887,224	12/12/89	Okano et al.			
	BH	4,891,784	1/2/90	Kato et al.			
	BI	4,903,018	2/20/90	Wiebach et al.			
	BJ	4,912,668	3/27/90	Aubie et al.			
	BK	4,922,341	5/1/90	Strobach			
↓	BL	4,924,298	5/8/90	Kitamura			

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<i>LS</i>	BM	4,924,308	5/8/90	Feuchtwanger			
	BN	4,975,595	12/4/90	Roberts et al.			
	BO	4,991,112	2/5/91	Callemyn			
	BP	5,003,204	3/26/91	Cushing et al.			
	BQ	5,027,212	6/25/91	Marlton et al.			
	BR	5,038,209	8/6/91	Hang			
	BS	5,053,985	10/1/91	Friedlander et al.			
	BT	5,057,793	10/15/91	Cowley et al.			
	BU	5,060,242	10/22/91	Arbeiter			
	BV	5,081,450	1/14/92	Lucas et al.			
	BW	5,086,489	2/4/92	Shimura			
	BX	5,091,721	2/25/92	Hamori			
	BY	5,107,345	4/21/92	Lee			
	BZ	5,111,292	5/5/92	Kuriacose et al.			
	CA	5,113,255	5/12/92	Nagata et al.			
	CB	5,122,873	6/16/92	Golin			
	CC	5,122,875	6/16/92	Raychaudhuri et al.			
	CD	5,124,790	6/23/92	Nakayama			
	CE	5,126,842	6/30/92	Andrews et al.			
<i>✓</i>	CF	5,129,059	7/7/92	Hannah			

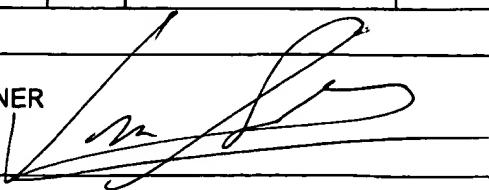
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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CS	CG	5,130,568	7/14/92	Miller et al.	→		
	CH	5,134,487	7/28/92	Taguchi et al.	→		
	CI	5,134,697	7/28/92	Scheffler	→		
	CJ	5,136,371	8/4/92	Savatier et al.	→		
	CK	5,136,695	8/4/92	Goldshlag et al.	→		
	CL	5,142,380	8/25/92	Sakagami et al.	→		
	CM	5,146,325	9/8/92	Ng	→		
	CN	5,146,326	9/8/92	Hasegawa	→		
	CO	5,148,271	9/15/92	Kato et al.	→		
	CP	5,148,524	9/15/92	Harlin et al.	→		
	CQ	5,151,875	9/29/92	Sato	→		
	CR	5,159,449	10/27/92	Allmendinger	→		
	CS	5,161,221	11/3/92	Van Nostrand	→		
	CT	5,164,819	11/17/92	Music	→		
	CU	5,168,356	12/1/92	Acampora et al.	→		
	CV	5,168,375	12/1/92	Reisch et al.	→		
	CW	5,172,011	12/15/92	Leuthold et al.	→		
	CX	5,174,641	12/29/92	Lim	→		
	CY	5,175,617	12/29/92	Wallace et al.	→		
↓	CZ	5,179,372	1/12/93	West et al.	→		

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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	DA	5,182,642	1/26/93	Gersdorff et al.			
	DB	5,184,124	2/2/93	Molpus et al.			
	DC	5,185,819	2/9/93	Ng et al.			
	DD	5,189,526	2/23/93	Sasson			
	DE	5,191,548	3/2/93	Balkanski et al.			
	DF	5,193,002	3/9/93	Guichard et al.			
	DG	5,201,056	4/6/93	Daniel et al.			
	DH	5,202,847	4/13/93	Bolton et al.			
	DI	5,212,549	5/18/93	Ng et al.			
	DJ	5,212,742	5/18/93	Normile et al.			
	DK	5,214,507	5/25/93	Aravind et al.			
	DL	5,216,724	6/1/93	Suzuki et al.			
	DM	5,221,966	6/22/93	Claydon et al.			
	DN	5,223,926	6/29/93	Stone et al.			
	DO	5,227,878	7/13/93	Puri et al.			
	DP	5,228,098	7/13/93	Crinon et al.			
	DQ	5,229,863	7/20/93	Kao et al.			
	DR	5,231,484	7/27/93	Gonzales et al.			
	DS	5,231,486	7/27/93	Acampora et al.			
	DT	5,233,420	8/3/93	Piri et al.			

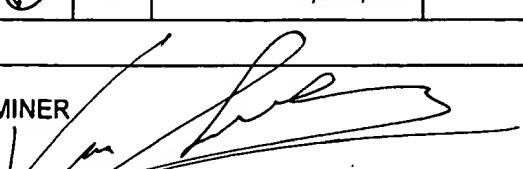
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VS	DU	5,233,690	8/3/93	Sherlock et al.			
	DV	5,237,413	8/17/93	Israelsen et al.			
	DW	5,241,222	8/31/93	Small et al.			
	DX	5,241,383	8/31/93	Chen et al.			
	DY	5,241,658	8/31/93	Masterson et al.			
	DZ	5,247,612	9/21/93	Quinard			
	EA	5,249,146	9/28/93	Uramoto et al.			
	EB	5,253,058	10/12/93	Gharavi			
	EC	5,253,078	10/12/93	Balkanski et al.			
	ED	5,257,213	10/26/93	Kim et al.			
	EE	5,257,223	10/26/93	Dervisoglu			
	EF	5,257,350	10/26/93	Howard et al.			
	EG	5,258,725	11/2/93	Kinoshita			
	EH	5,260,781	11/9/93	Soloff et al.			
	EI	5,260,782	11/9/93	Hui			
	EJ	5,260,787	11/9/93	Capitant et al.			
	EK	5,261,047	11/9/93	Rivshin			
	EL	5,263,136	11/16/93	DeAguiar et al.			
	EM	5,267,334	11/30/93	Normille et al.			
✓	EN	5,276,513	1/4/94	van der Wal et al.			

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EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
VS	EO	5,276,681	1/4/94	Tobagi et al.			
	EP	5,276,784	1/4/94	Ohki			
	EQ	5,278,520	1/11/94	Parker et al.			
	ER	5,278,646	1/11/94	Civaniar et al.			
	ES	5,278,647	1/11/94	Hingorani et al.			
	ET	5,283,646	2/1/94	Bruder			
	EU	5,287,178	2/15/94	Acampora et al.			
	EV	5,287,193	2/15/94	Lin			
	EW	5,287,420	2/15/94	Barrett			
	EX	5,289,276	2/22/94	Siracusa et al.			
	EY	5,289,577	2/22/94	Gonzales et al.			
	EZ	5,293,229	3/8/94	Iu			
	FA	5,294,894	3/15/94	Gebara			
	FB	5,298,896	3/29/94	Lei et al.			
	FC	5,298,992	3/29/94	Pietras et al.			
	FD	5,299,025	3/29/94	Shirasawa			
	FE	5,300,949	4/5/94	Rodriguez et al.			
	FF	5,301,019	4/5/94	Citta			
	FG	5,301,032	4/5/94	Hong et al.			
	FH	5,301,040	4/5/94	Hoshi et al.			

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✓	FI	5,301,136	4/5/94	McMillan, Jr. et al.	—	—	—
	FJ	5,301,242	4/5/94	Gonzales et al.	—	—	—
	FK	5,301,272	4/5/94	Atkins	—	—	—
	FL	5,303,342	4/12/94	Edge	—	—	—
	FM	5,304,953	4/19/94	Heim et al.	—	—	—
	FN	5,305,438	4/19/94	MacKay et al.	—	—	—
	FO	5,309,527	5/3/94	Ohki	—	—	—
	FP	5,311,309	5/10/94	Ersoz et al.	—	—	—
	FQ	5,317,398	5/31/94	Casavant et al.	—	—	—
	FR	5,319,460	6/7/94	Kubo	—	—	—
	FS	5,321,806	6/14/94	Meinerth et al.	—	—	—
	FT	5,351,047	9/27/94	Behlen	—	—	—
	FU	5,357,606	10/18/94	Adams	—	—	—
	FV	5,369,418	11/29/94	Richards	—	—	—
	FW	5,392,071	2/21/95	Richards et al.	—	—	—
	FX	5,398,071	3/14/95	Gove et al.	—	—	—
	FY	5,430,488	7/4/95	Hedley	—	—	—
	FZ	5,453,792	9/26/95	Glifford et al.	—	—	—
	GA	5,461,679	10/24/95	Normile et al.	—	—	—
✓	GB	5,495,291	2/27/96	Adams	—	—	—

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✓	GC	5,502,494	3/26/96	Auld			
	GD	5,553,005	9/3/96	Voeten et al.			
	GE	5,568,165	10/22/96	Kimura			
	GF	5,572,691	11/5/96	Koudmani			
✓	GG	5,577,203	11/19/96				

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
✓	F01	196911	10/8/86	EP				
	F02	255767	2/10/88	EP				
	F03	468480	1/29/92	EP				
	F04	564145	10/6/93	EP				
	F05	572262	12/1/93	EP				
	F06	572263	12/1/93	EP				
	F07	576749	1/5/94	EP				
	F08	589734	3/30/94	EP				
	F09	639032	2/15/95	EP				
	F10	2045035	10/22/80	GB				
	F11	2059724	4/23/81	GB				
✓	F12	2171578	8/28/86	GB				

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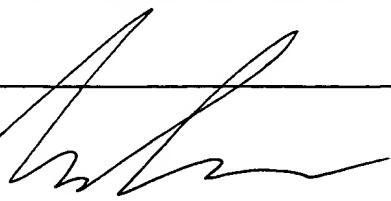
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✓	F16	2194085	2/24/88	GB				
	F17	2268035	12/22/93	GB				
	F15	2269070	1/26/94	GB				
	F16	9,315,586	8/5/93	WO				
✓	F17	9524100	9/8/95	WO				

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

EXAMINER INITIAL		DOCUMENT IDENTIFICATION
✓	P01	Chong, "A Data Flow Architecture For Digital Image Processing," WesconTech. Papers no. 4/6, 10/30/84, Anaheim, California, USA, pgs. 1-10
	P02	Foley, J.D. et al., "Breshman's Line Algorithm" Electrochemistry, Proceedings of the First Conference Held in Sydney Feb. 1963. J.A. Friend and F. Gutmann 1/1/82, pgs. 433-436. XP000563829
	P03	Gupta, A. et al., "A Fast Recursive Algorithm For The Discrete Sine Transform," IEEE Transactions On Acoustics, Speech, and Signal Processing, vol. 38, no. 3, March 1990, IEEE Press, New York, US, pgs. 553-557
	P04	Hou, Hsieh S., "A Fast Recursive Algorithm For Computing The Discrete Cosine Transform," IEEE Transactions On Acoustics, Speech, and Signal Processing, vol. 35, no. 10, October 1987, IEEE Press, New York, US, pgs. 1455-1461
	P05	Kinuhata, K. et al., "Analysis of Field Correspondence and Field Memory Capacity In TV Standard Conversion." Electronics and Communications in Japan, 10/74 USA vol. 57, no.10, pgs. 56-63 XP002047538.
	P06	Komori S. et al.: "An Elastic Pipeline Mechanism By Self-Timed Circuits" IEEE Journal of Solid-State Circuits, vol. 23, no. 1, February 1988, pgs.111-117, XP000051576
	P07	Wu, H.R. et al., "A Two Dimensional Fast Cosine Transform Algorithm Based On Hou's Approach," IEEE Transactions On Acoustics, Speech, and Signal Processing, vol. 39, no. 2, February 1991, IEEE Press, New York, US, pgs. 544-546
	P08	Yamamoto, Hideo et al., "Analysis of Field Correspondence and Field Memory Capacity in TV Standard Conversion," Abstracts - Transactions of the Institute of Electronics and Communications Engineers of Japan, vol. 57, no.10, 10/74 pgs.14-15, XP002047539
✓	P09	Yip, P. et al., "DIT and DIF Algorithm For Discrete Sine and Cosine Transforms" Proceedings of the International Symposium on Circuits and Systems, IEEE Press, New York, US, Vol. 2/3, June 5, 1985, Kyoto, JP, pgs. 941-944

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